

V&V Reference Report

L2 ASCDS Version : 8.3.2.1

Observation 1334 - L2 Version 4

Chandra X-Ray Center

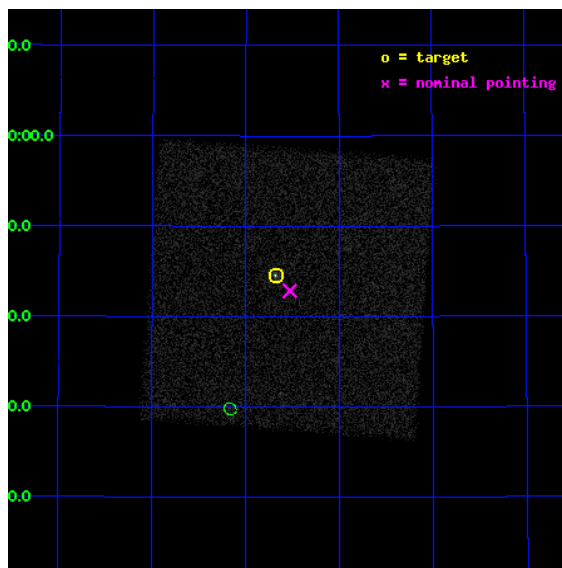
L2 Processing Date : Sep 28 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

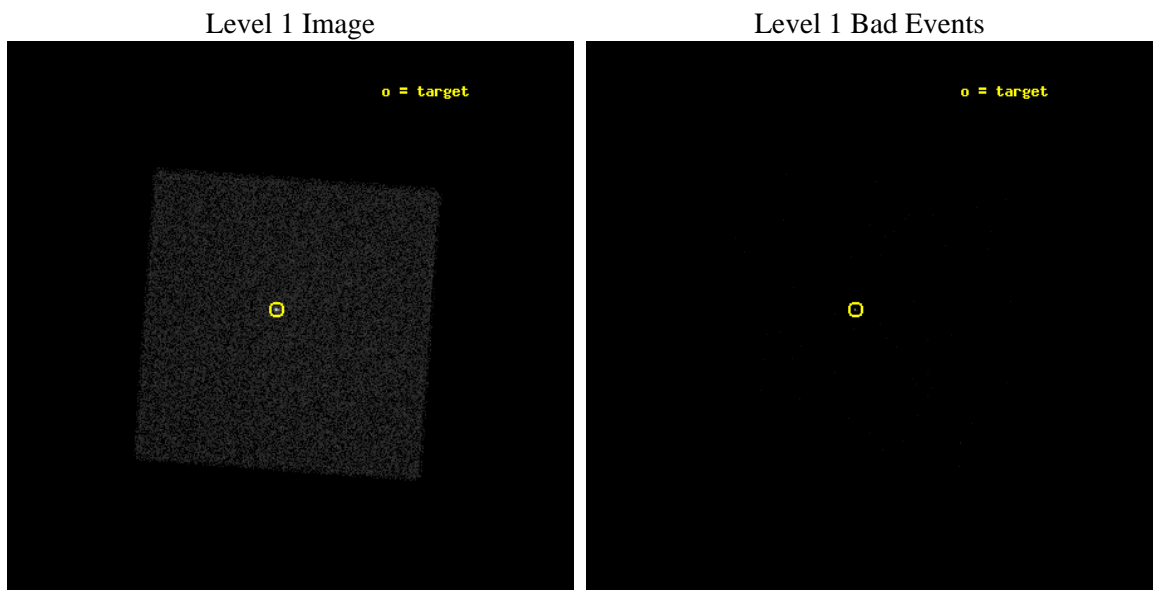
seq_num	280284	Sequence number
obs_id	1334	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.13168256722	Nominal RA
dec_nom	45.714243940355	Nominal Dec
roll_nom	229.15990453729	Nominal Roll
revision	4	Processing version of data
ontime	1275.3562959433	[s]
livetime	1265.9832915727	Ontime multiplied by DTCOR
l2events	43278	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.3.2.1	Processing system revision	ontime	1275.3562959433	[s]
caldbver	4.3.1	 	l1events	73866	Number of level 1 events
date	2010-09-28T17:12:55	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

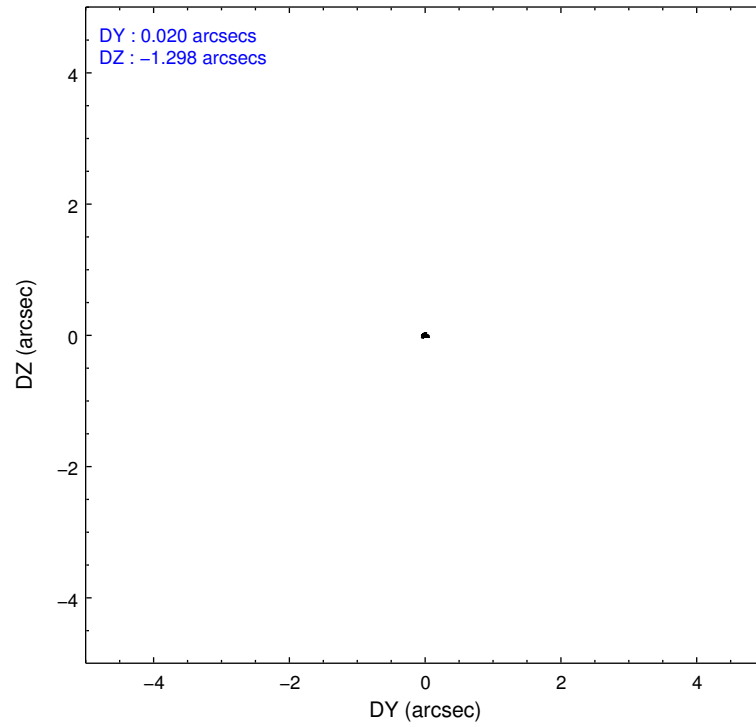
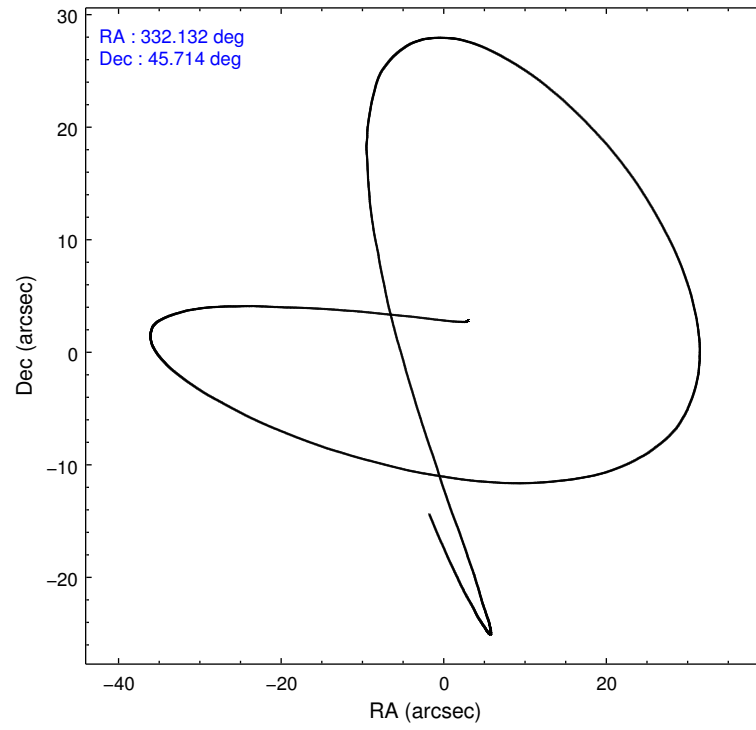
Level 1 Events

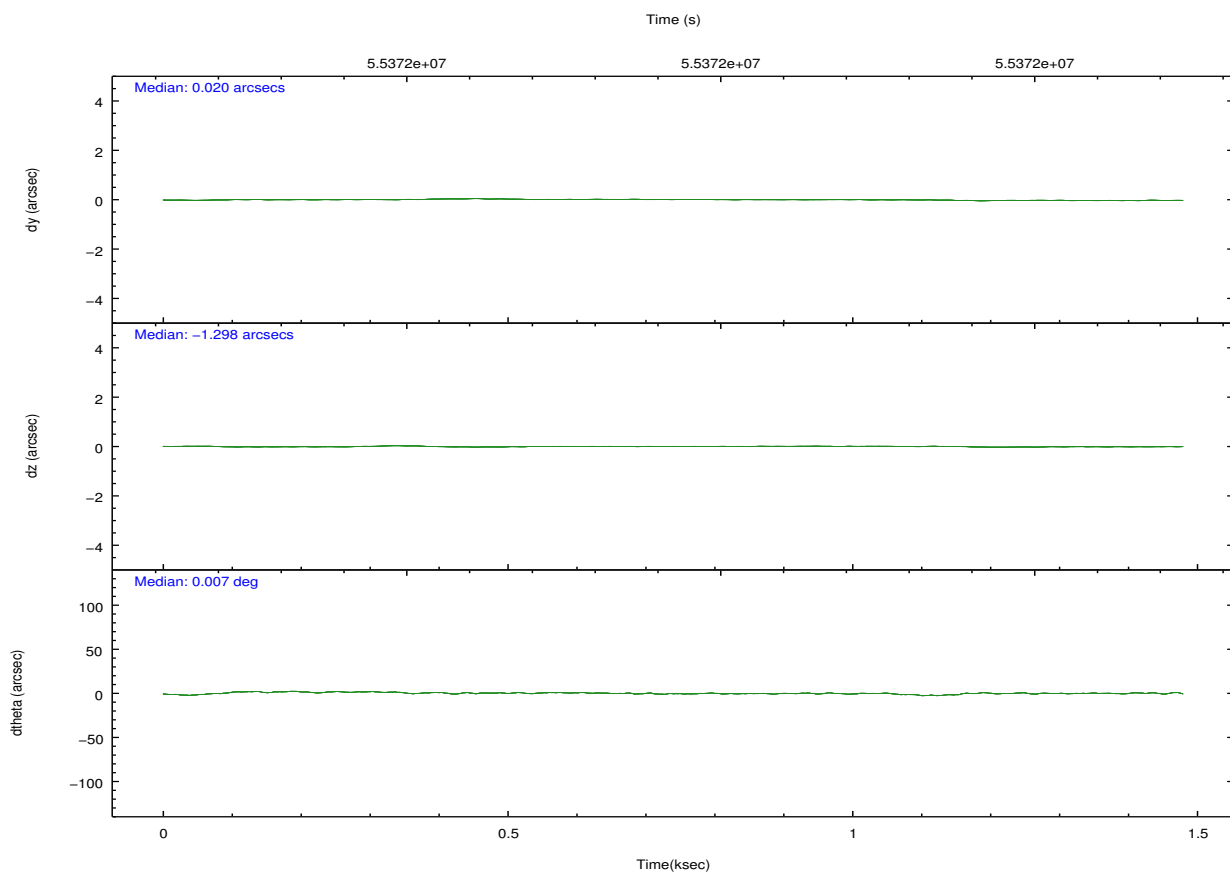
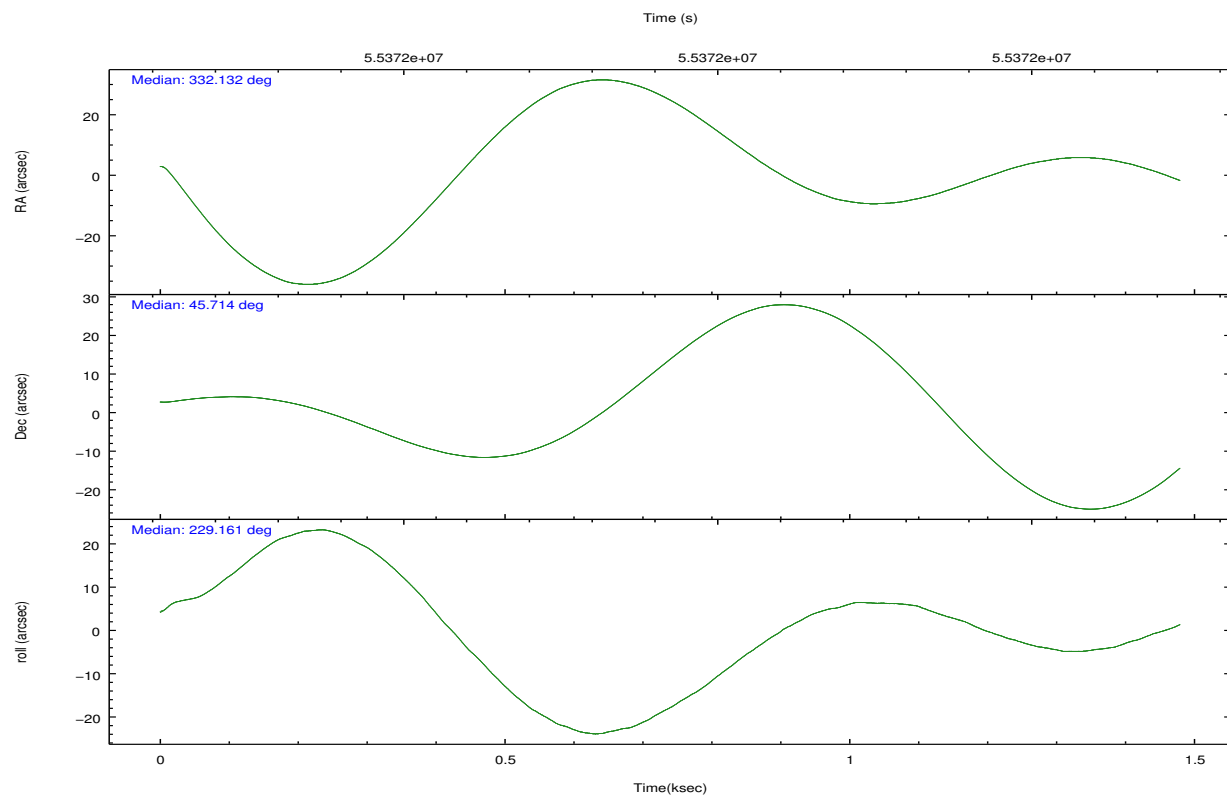
	segment 0
level 1 events	73866
rejected events	2758
rejected %	3%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.140009	332.1316825672171			
Pointing Dec	45.741927	45.71424394035461			
Pointing Roll	229.249397	229.1599045372894			
SIM focus pos (mm)	-0.040293	-0.2342646132009995			
SIM defocus (mm)	1	0.806028007457875			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	55371664.184000	55370997.869687			
Observation start date	1999-10-03T21:00:00	1999-10-03T20:49:57			
Observation end time	55372664.184000	55372797.769752			
Observation end date	1999-10-03T21:16:40	1999-10-03T21:19:57			

2.3 Aspect



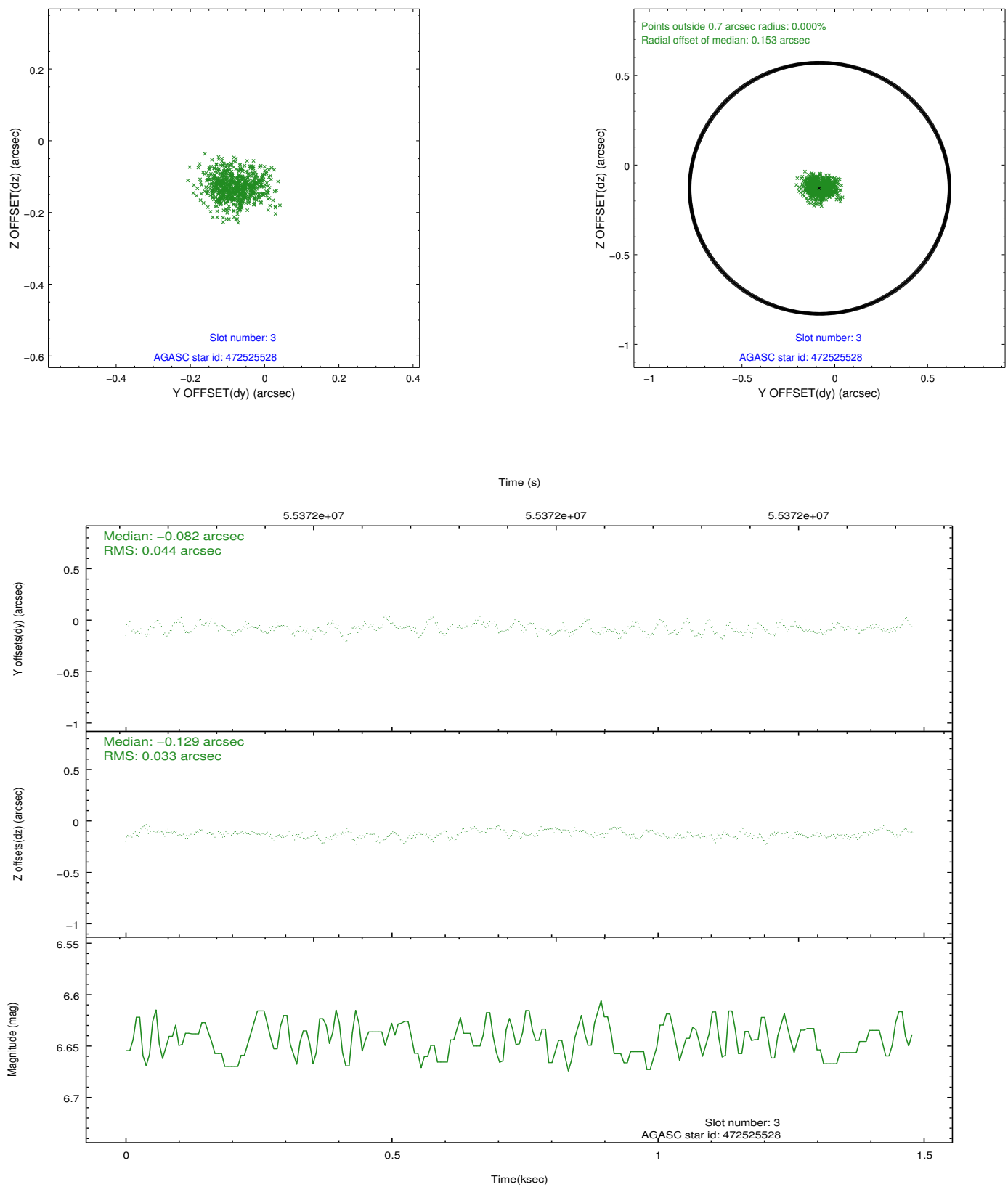


Slot Statistics

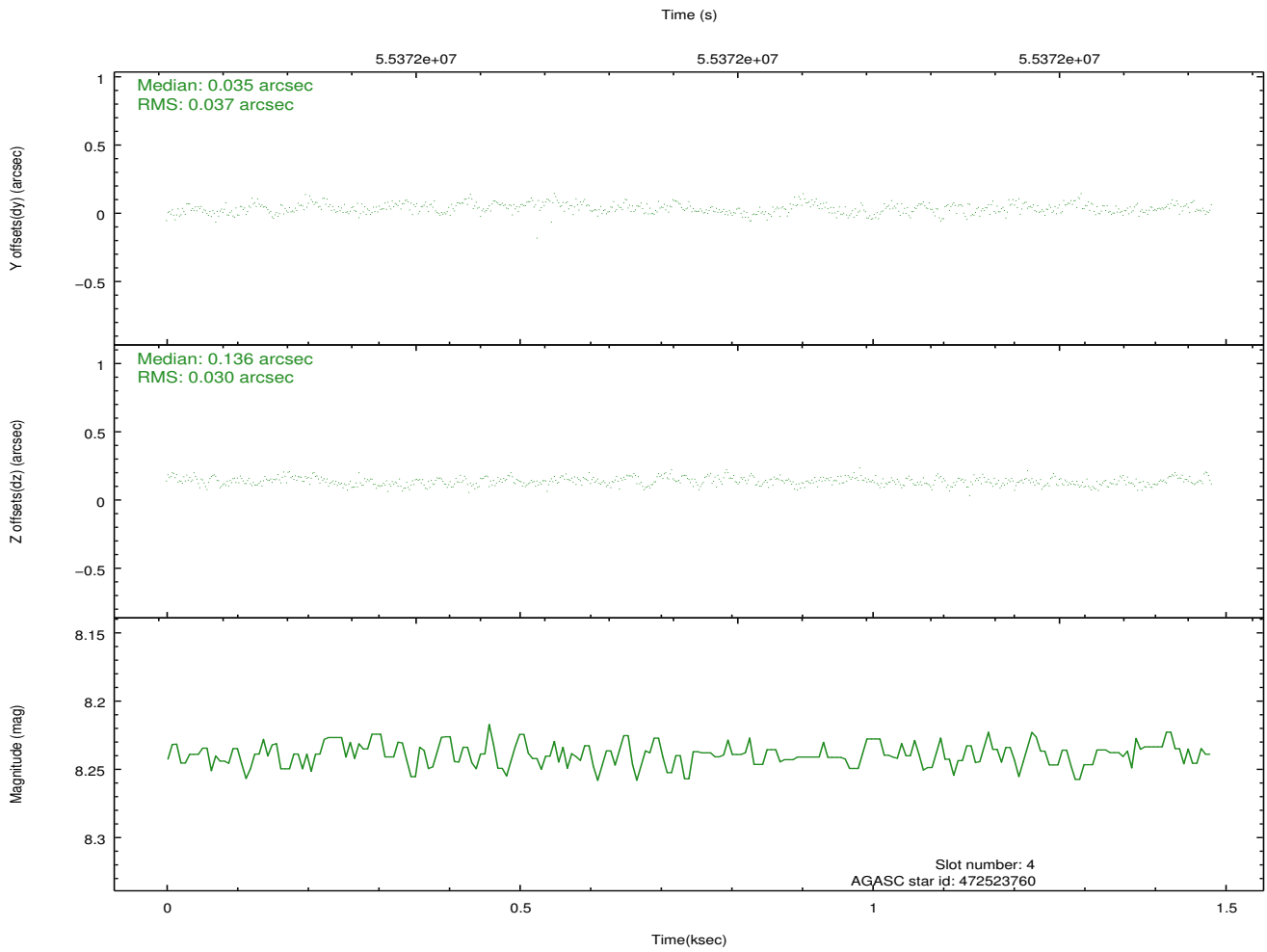
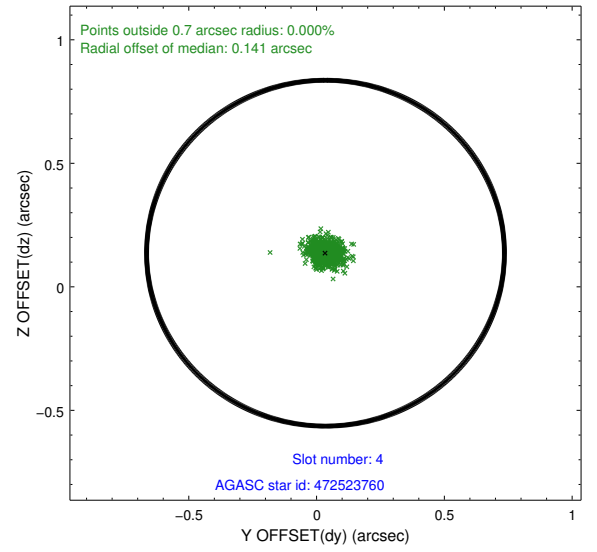
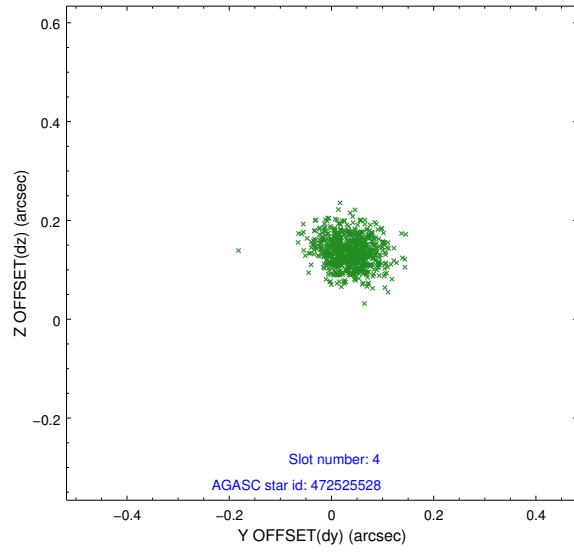
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	723	0.060	-0.002	0.013	0.023	0.000000	0.000000	-755.39	-1286.49
1	FID	HRC-I-3	7.03	723	0.060	-0.031	0.012	0.026	0.000000	0.000000	-1185.01	1016.44
2	FID	HRC-I-4	6.97	723	-0.005	-0.056	0.010	0.017	0.000000	0.000000	1285.81	1017.26
3	GUIDE	472525528	6.64	723	-0.082	-0.129	0.059	0.095	331.551102	45.248694	2312.17	24.44
4	GUIDE	472523760	8.24	723	0.035	0.136	0.049	0.080	331.645363	45.403260	1736.99	-153.84
5	GUIDE	472665256	9.00	723	0.028	-0.068	0.068	0.111	332.808125	46.195041	-2328.45	191.52
6	GUIDE	472659832	9.46	723	0.008	0.035	0.084	0.139	332.780399	46.098139	-2026.13	369.97
7	GUIDE	472655152	9.43	721	0.006	0.022	0.092	0.149	332.504239	45.862991	-933.67	406.26

2.4 Star Slots

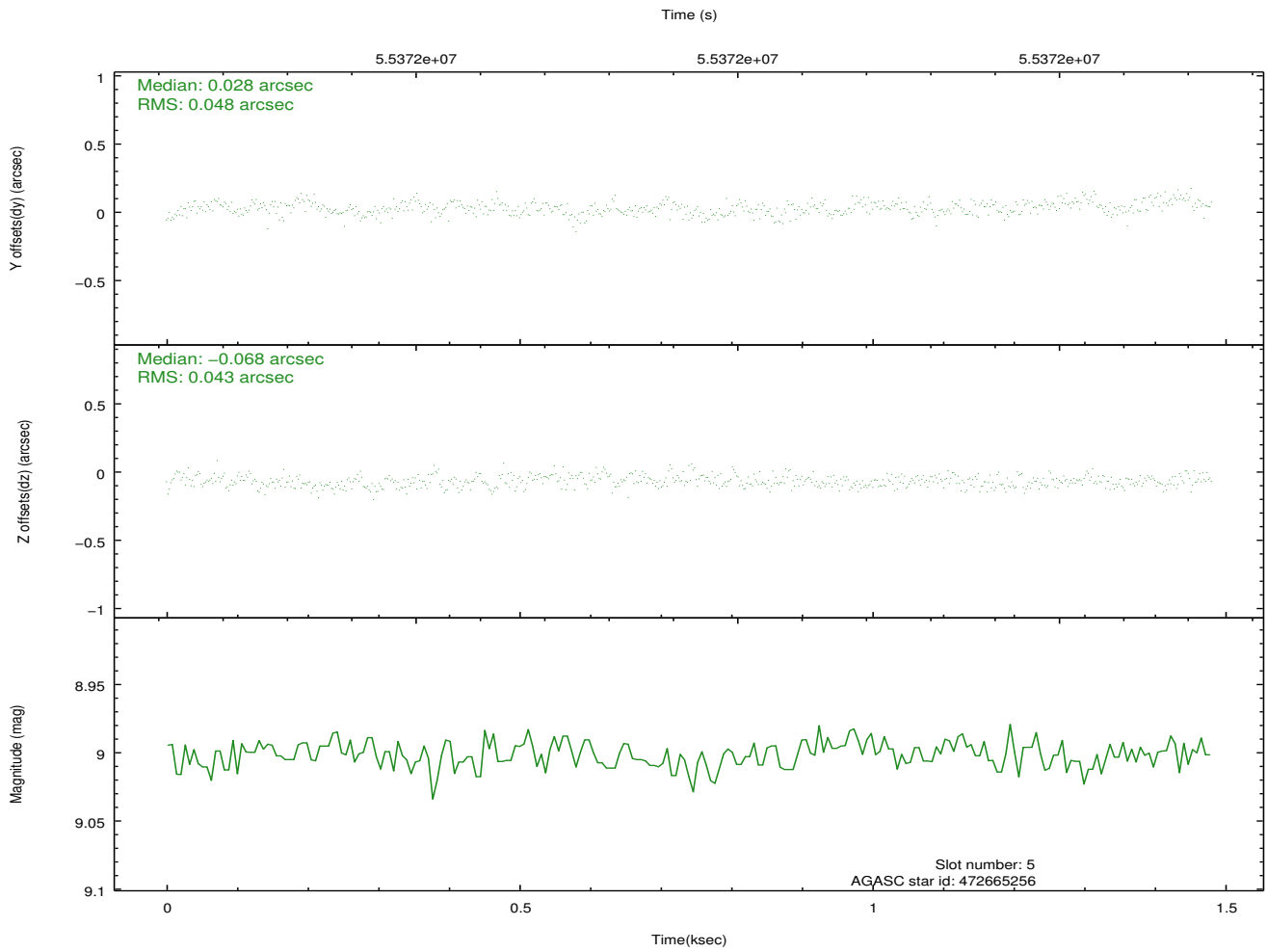
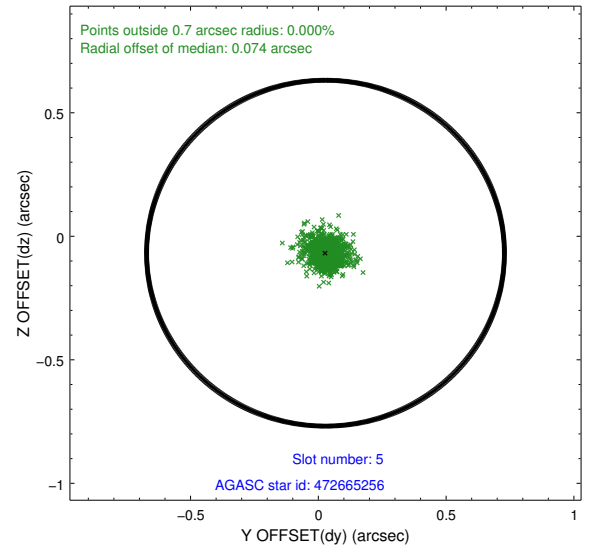
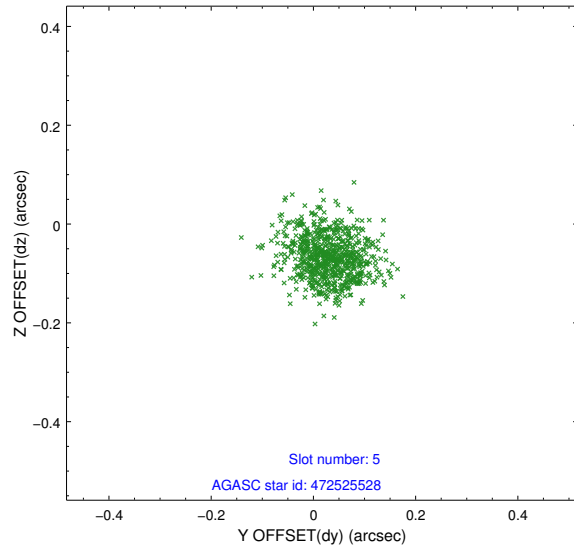
2.4.1 Slot 3



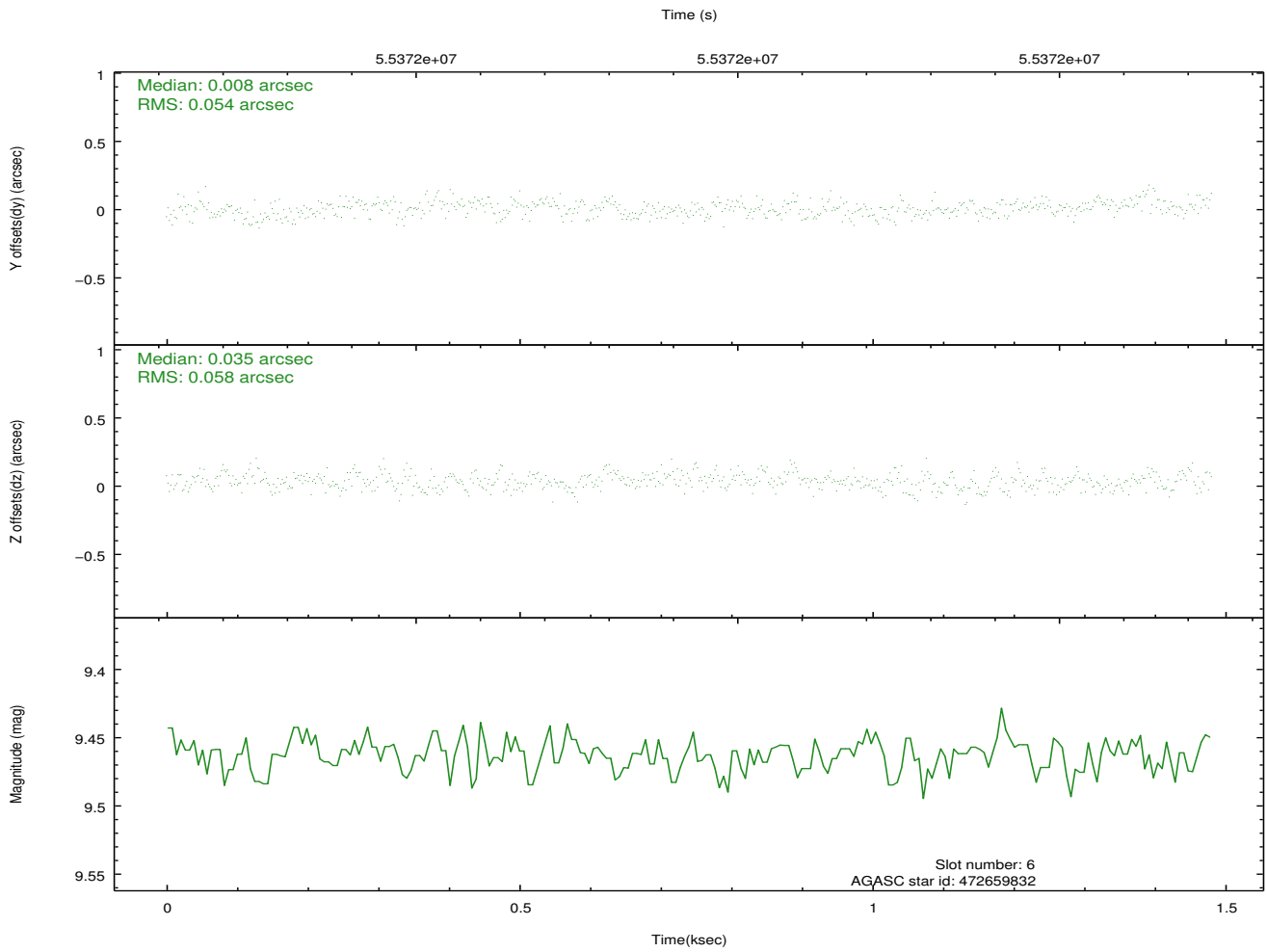
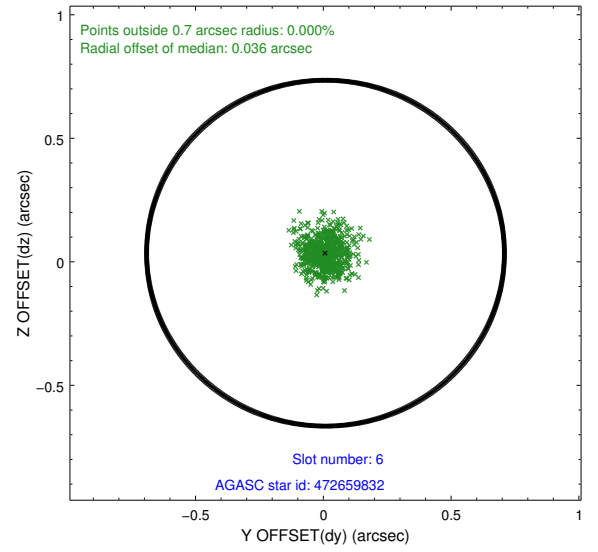
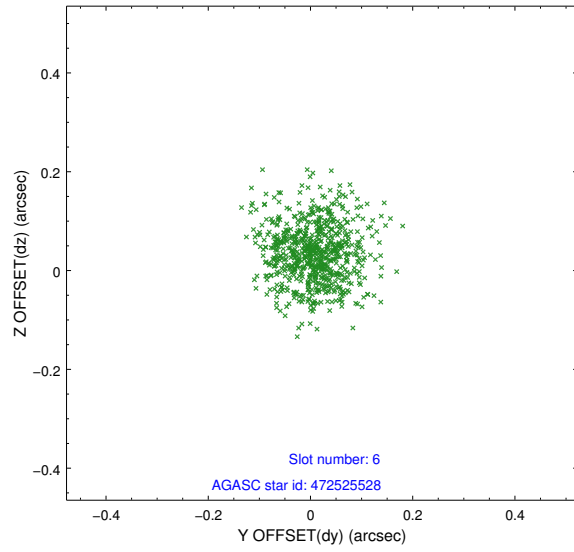
2.4.2 Slot 4



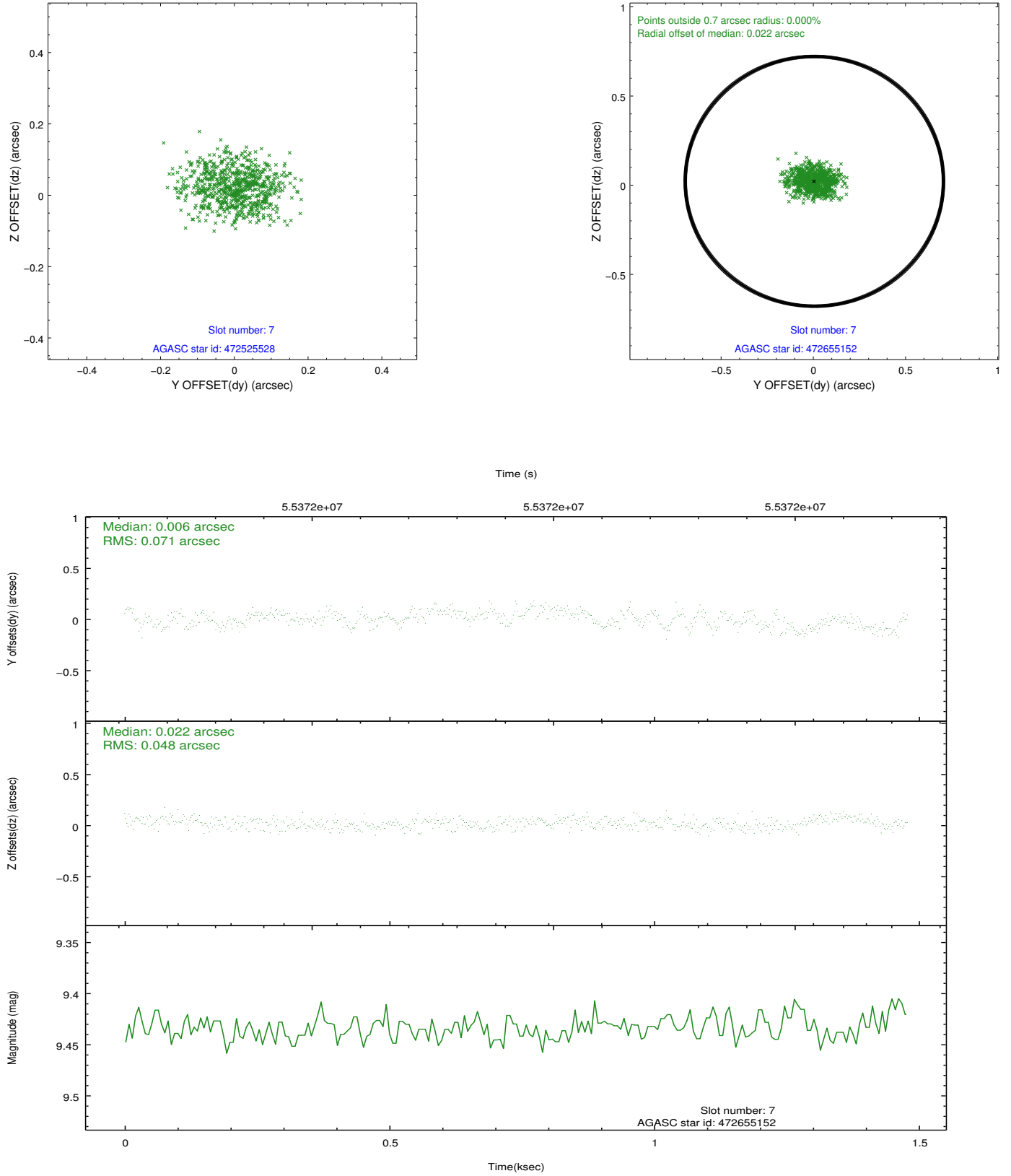
2.4.3 Slot 5



2.4.4 Slot 6

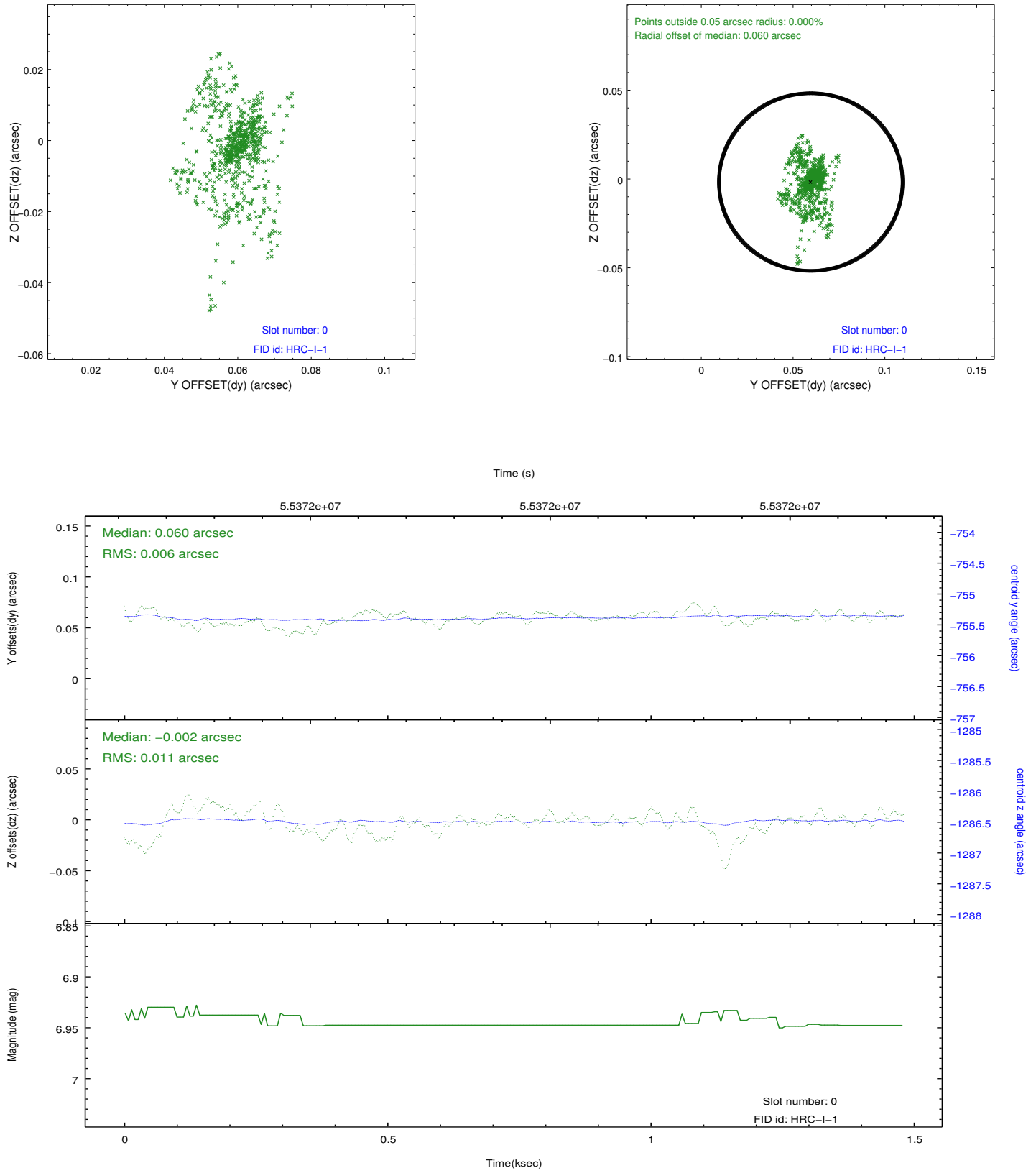


2.4.5 Slot 7

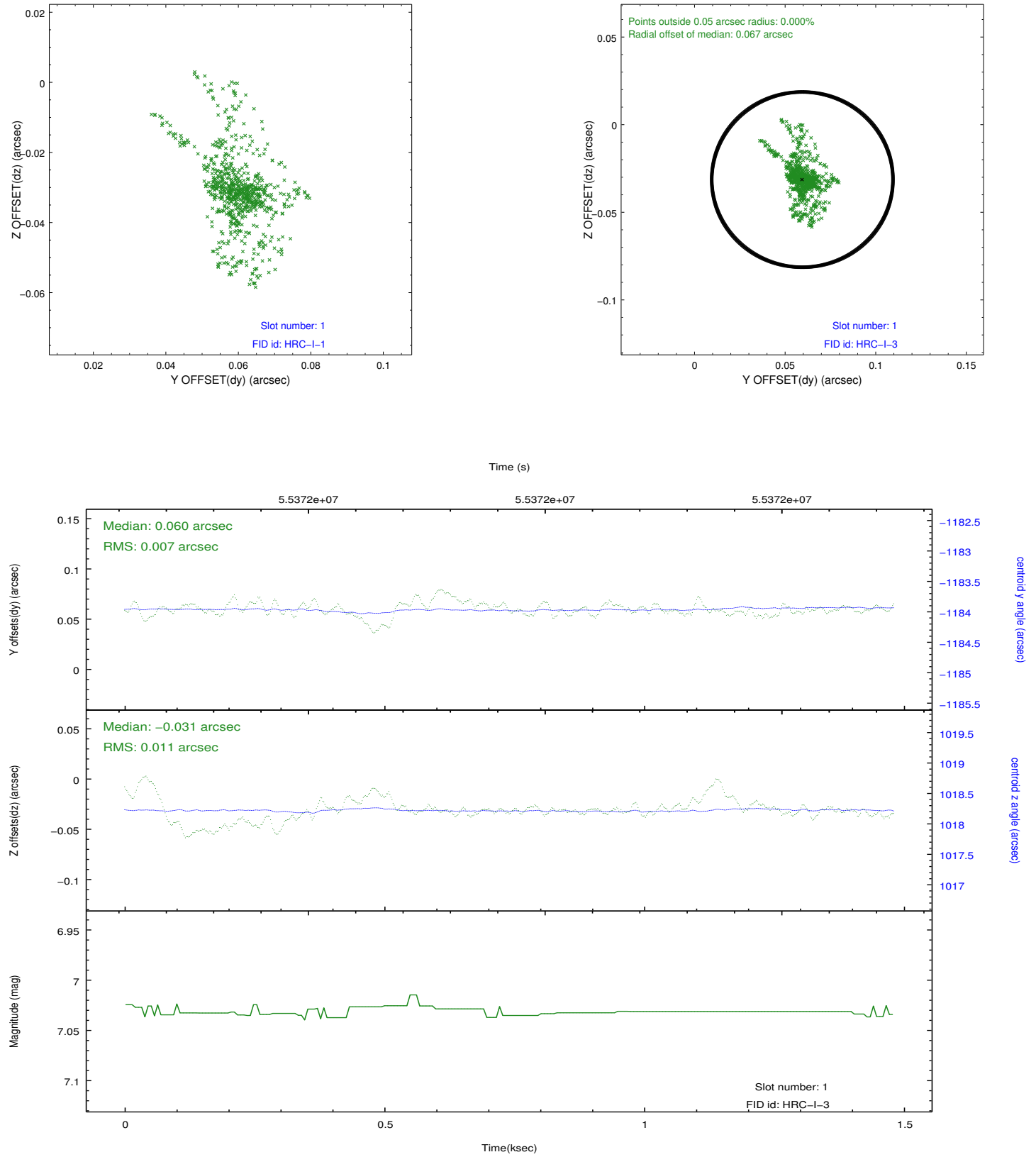


2.5 FID Slots

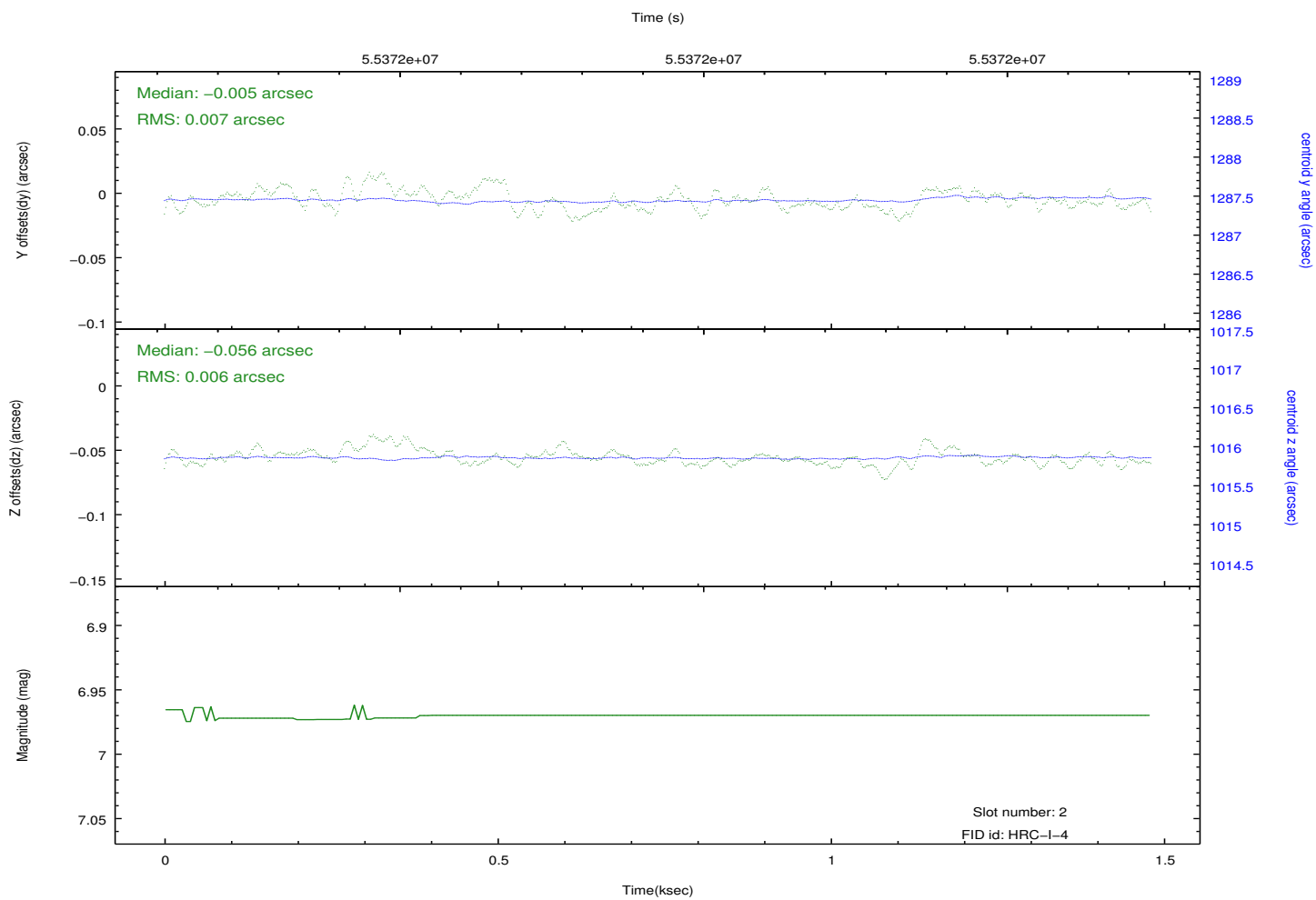
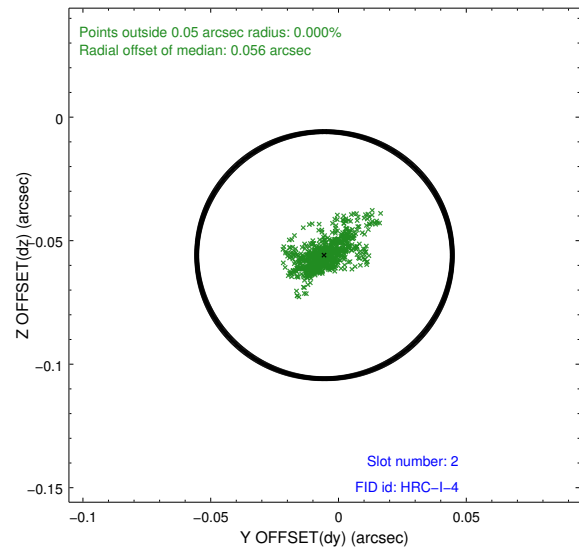
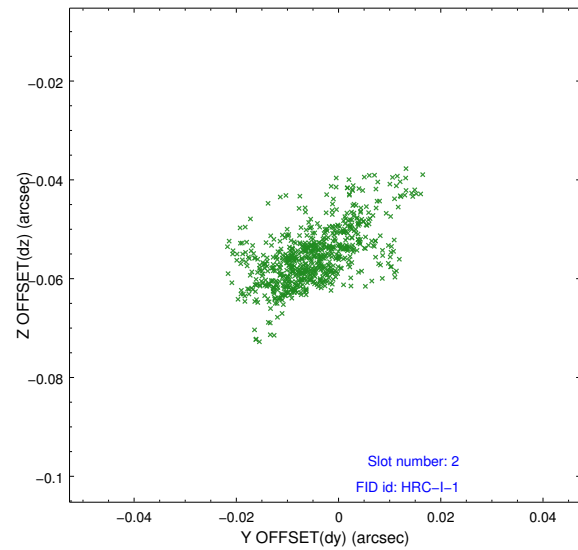
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

14.71 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.273

A.2 Comments

AR LAC observation to study HRC-I spatial gain dependence on HV. Source is off-axis.

Charge time for this observation remains at previous value of 1.273 ksec, although with the current processing the charge time would have been 1.275 ksec.